

TOP SECRET**1**

OUT 68197

TOP SECRET 181451Z AUG 69 CITE [REDACTED] 6838

25X1

25X1

CORONA

REF A [REDACTED]

B [REDACTED]

18 AUG 69 15 24z 25X1

SUBJECT: SO-239 SECOND GENERATION NEGATIVE VS. NORMAL THIRD GENERATION NEGATIVE FROM MSN 1104 MATERIAL

1. TO FURTHER EXPAND REFERENCE A, [REDACTED] HAS PERFORMED AN EVALUATION ON KH-4B MATERIALS REFERRED TO IN REFERENCE B.

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2. FOLLOWING ARE ADDITIONAL CONCLUSIONS TO REFERENCE A. THESE ARE EXCERPTS FROM THE OVERALL EVALUATION REPORT WHICH WILL BE IN A FUTURE PER.

A. PRINTS PRODUCED FROM SO-239 DUPLICATE NEGATIVES PROVIDE BETTER OVERALL IMAGE QUALITY AND A CLOSER SIMILARITY TO PRINTS FROM THE ORIGINAL NEGATIVE THAN PRINTS PRODUCED FROM THIRD GENERATION NEGATIVES.

B. GRAIN IS LESS APPARENT ON REPRODUCTIONS MADE FROM THE SO-239 DUPLICATE NEGATIVES THAN FROM THIRD GENERATION DUPLICATE NEGATIVES.

C. READINGS FROM THREE FIXED RESOLUTION TARGETS INDICATE A TEN PERCENT (AVERAGE) GREATER LOSS IN RESOLUTION (LINES/MM) IN THE THIRD GENERATION DUPLICATE NEGATIVE AS COMPARED TO THE SECOND GENERATION DUPLICATE NEGATIVE.

D. SO-239 SENSITOMETRIC SYSTEM CURVES INDICATE COMPATIBILITY WITH THE CURRENT SATELLITE FILM DUPLICATING SYSTEM.

3. CONTINGENT UPON CONCURRENCE OF [REDACTED] BASED ON THIS EVALUATION AND EVIDENCE NOTED IN REFERENCE A, [REDACTED] RECOMMENDS THE USE OF SO-239 FOR THE PRODUCTION OF SECOND GENERATION NEGATIVES MADE FROM SATELLITE RECONNAISSANCE FILMS.

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END OF MESSAGE

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